

ABSTRACT OF THE DISCLOSURE

Molding compositions including low molecular weight polyhydroxyalkanoates are provided. The use of the low molecular weight polyhydroxyalkanoates as a binder in molding compositions provides improved binder removal in the finished molded product, and offers a wide range of physical properties suitable for use in a variety of processing conditions. The composition preferably includes a powdered material, such as a metal powder, ceramic powder, or blend, admixed with a low molecular weight polyhydroxyalkanoate binder. The compositions are useful in powder processing techniques, such as injection molding, slip casting, tape casting, or extrusion. Methods of forming low molecular weight polyhydroxyalkanoates are also described.